Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A storage area network inter-fabric services device for use with first and second independent switching fabrics, each independent switching fabric including at least one switching element, the inter-fabric services device comprising:

a first interface adapted to transmit and receive fabric management data from the first independent switching fabric;

a second interface adapted to transmit and receive fabric management data from the second independent switching fabric; and

an inter-fabric adjunct processor coupled to a said first interface and said second interface, said inter-fabric adjunct processor adapted to analyze and respond to fabric management data from the first and second independent switching fabrics, said inter-fabric adjunct processor including:

a processing unit adapted to analyze the fabric management data from the first and second independent switching fabrics; and

a system management control module coupled to said processing unit, said system management control module adapted to manage, on a system level, at least one of the first and second switching fabrics.

2. (Currently Amended) The inter-fabric services device of claim 1, wherein said inter-fabric adjunct processor includes:

a processing unit adapted to analyze the fabric management data from the first and second switching fabrics;

a first fabric map coupled to said processing unit, said first fabric map containing a topology and characteristics for at least one switching element in the first switching fabric; and a second fabric map coupled to said processing unit, said second fabric map containing a topology and characteristics for at least one <u>switching</u> element in the second switching fabric.

- 3. (Original) The inter-fabric services device of claim 2, wherein said first and second fabric maps are dynamically updated by said processing unit polling the first and second switching fabrics.
 - 4. (Cancelled)
- 5. (Original) The inter-fabric services device of claim 1, wherein the first and second switching fabrics operate in a Fibre Channel storage area network.
- 6. (Currently Amended) The inter-fabric services device of claim 1, wherein each of said first and second interfaces are either of in-band or out-of-band.
- 7. (Currently Amended) A storage area network inter-fabric services device for use with first and second independent switching fabrics, each independent switching fabric including at least one switching element, the inter-fabric services device comprising:
- a first interface adapted to transmit and receive fabric management data from the first independent switching fabric;
- a second interface adapted to transmit and receive fabric management data from the second independent switching fabric; and
- an inter-fabric adjunct processor coupled to a said first interface and said second interface, said inter-fabric adjunct processor adapted to analyze and respond to fabric management data from the first and second independent switching fabrics. The interfabric services device of claim 1, wherein said inter-fabric adjunct processor includinges:
- a first embedded adjunct processor located in a switching element in the first independent switching fabric;

a second embedded adjunct processor located in a switching element in the second independent switching fabric; and

an interconnection link between said first and second embedded adjunct processors.

8. (Previously Presented) The inter-fabric services device of claim 7, wherein said first and second interfaces are in-band and said interconnection link is out-of-band.

9.-11. (Cancelled)

12. (Currently Amended) A system for logically coupling a first independent switching fabric and a second independent switching fabric, each independent switching fabric including at least one switching element, the system comprising:

an inter-fabric services device coupled to the first independent switching fabric and the second independent switching fabric, said inter-fabric services device adapted to logically manage the first and second independent switching fabrics as a single entity;

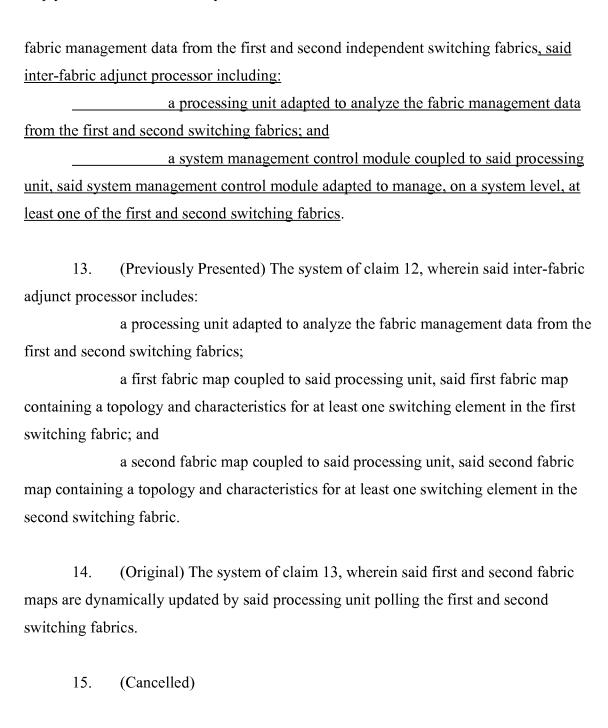
a first inter-fabric services agent coupled to said inter-fabric services device and operating on a first switching element in the first switching fabric, said first inter-fabric services agent adapted to communicate with said inter-fabric services device; and

a second inter-fabric services agent coupled to said inter-fabric services device and operating on a second switching element in the second switching fabric, said second inter-fabric services agent adapted to communicate with said inter-fabric services device, The system of claim 9, wherein said inter-fabric services device includinges:

a first interface adapted to transmit and receive fabric management data from the first independent switching fabric;

a second interface adapted to transmit and receive fabric management data from the second independent switching fabric; and

an inter-fabric adjunct processor coupled to said first interface and said second interface, said inter-fabric adjunct processor adapted to analyze and respond to



wherein each of said first and second interfaces are either of in-band or out-of-band.

(Currently Amended) The inter-fabric services devicesystem of claim 912,

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17. (Original) A system for logically coupling a first independent switching
fabric and a second independent switching fabric, each independent switching fabric
including at least one switching element, the system comprising:
an inter-fabric services device coupled to the first independent switching fabric
and the second independent switching fabric, said inter-fabric services device adapted to
logically manage the first and second independent switching fabrics as a single entity;
a first inter-fabric services agent coupled to said inter-fabric services device and
operating on a first switching element in the first switching fabric, said first inter-fabric
services agent adapted to communicate with said inter-fabric services device; and
a second inter-fabric services agent coupled to said inter-fabric services device
and operating on a second switching element in the second switching fabric, said second
inter-fabric services agent adapted to communicate with said inter-fabric services device,
said inter-fabric services device including:
a first interface adapted to transmit and receive fabric management data
from the first independent switching fabric;
a second interface adapted to transmit and receive fabric management data
from the second independent switching fabric; and
an inter-fabric adjunct processor coupled to said first interface and said
second interface, said inter-fabric adjunct processor adapted to analyze and respond to
fabric management data from the first and second independent switching fabrics, The
inter-fabric services device of claim 9, wherein said inter-fabric adjunct processor
includ <u>ing</u> es:
a first embedded adjunct processor located in a switching element
in the first independent switching fabric;
a second embedded adjunct processor located in a switching
element in the second independent switching fabric; and
an interconnection link between said first and second embedded
adjunct processors.

18. (Currently Amended) The <u>inter-fabric services devicesystem</u> of claim 17, wherein said first and second interfaces are in-band and said interconnection link is out-of-band.

19.-26. (Cancelled)

27. (Currently Amended) An inter-fabric services device for use with first and second independent switching fabrics, each independent switching fabric including at least one switching device, the inter-fabric services device comprising:

means for receiving and transmitting fabric management data between the first switching fabric and an inter-fabric service link;

means for receiving and transmitting fabric management data between a second switching fabric and the inter-fabric service link;

means for processing the fabric management data from the first and second switching fabrics; and

means for coordinating the management of the first and second switching fabrics; and

system management control means for managing, on a system level, at least one of the first and second switching fabrics.

28. (Original) The inter-fabric services device of claim 27, said inter-fabric service link including:

means for generating a first fabric map, said first fabric map containing a topology and characteristics for at least one element in the first switching fabric; and means for generating a second fabric map, said second fabric map containing a topology and characteristics for at least one element in the second switching fabric.

29. (Original) The inter-fabric services device of claim 28, wherein the generating means for the first and second switching fabric maps includes means for polling the first and second switching fabrics.

30. (Cancelled)

- 31. (Original) The inter-fabric services device of claim 27, wherein the first and second switching fabrics operate in a Fibre Channel storage area network.
 - 32. (Currently Amended) A storage area network comprising:
 - a first independent switching fabric including at least one switching element;
 - a second independent switching fabric including at least one switching element;
- a first interface adapted to transmit and receive fabric management data from said first independent switching fabric;
- a second interface adapted to transmit and receive fabric management data from said second independent switching fabric; and

an inter-fabric adjunct processor coupled to a said first interface and said second interface, said inter-fabric adjunct processor adapted to analyze and respond to fabric management data from said first and second independent switching fabrics, said inter-fabric adjunct processor including:

a processing unit adapted to analyze the fabric management data from said first and second independent switching fabrics; and

a system management control module coupled to said processing unit, said system management control module adapted to manage, on a system level, at least one of said first and second switching fabrics.

- 33. (Currently Amended) The storage area network of claim 32, wherein said inter-fabric adjunct processor includes:
- a processing unit adapted to analyze the fabric management data from said first and second switching fabrics;
- a first fabric map coupled to said processing unit, said first fabric map containing a topology and characteristics for at least one switching element in said first switching fabric; and

a second fabric map coupled to said processing unit, said second fabric map containing a topology and characteristics for at least one <u>switching</u> element in said second switching fabric.

- 34. (Original) The storage area network of claim 33, wherein said first and second fabric maps are dynamically updated by said processing unit polling said first and second switching fabrics.
 - 35. (Cancelled)
- 36. (Original) The storage area network of claim 32, wherein said first and second switching fabrics operate in a Fibre Channel storage area network.
- 37. (Currently Amended) The storage area network of claim 32, wherein each of said first and second interfaces are either of-in-band or out-of-band.
- 38. (Currently Amended) A storage area network comprising:

 a first independent switching fabric including at least one switching element;

 a second independent switching fabric including at least one switching element;

 a first interface adapted to transmit and receive fabric management data from said first independent switching fabric;

 a second interface adapted to transmit and receive fabric management data from said second independent switching fabric; and

 an inter-fabric adjunct processor coupled to a said first interface and said second interface, said inter-fabric adjunct processor adapted to analyze and respond to fabric management data from said first and second independent switching fabrics. The storage area network of claim 32, wherein said inter-fabric adjunct processor includinges:

 a first embedded adjunct processor located in a switching element in said first independent switching fabric;

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a second embedded adjunct processor located in a switching element in said second independent switching fabric; and

an interconnection link between said first and second embedded adjunct processors.

39. (Previously Presented) The storage area network of claim 38, wherein said first and second interfaces are in-band and said interconnection link is out-of-band.